

10/5,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00755887

**FLEXIBLE ARTIFICIAL NERVE PLATE**  
**FLEXIBLE KUNSTLICHE NERVENPLATTE**  
**PLAQUETTE ARTIFICIELLE SOUPLE DE REMPLACEMENT DE NERFS**

**PATENT ASSIGNEE:**

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designated states: all)

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PATENT (CC, No, Kind, Date): EP 928212 A1 990714 (Basic)

EP 928212 B1 021002  
WO 96002298 960201

APPLICATION (CC, No, Date): EP 95925870 950713; WO 95EP2754 950713

PRIORITY (CC, No, Date): DE 4424697 940713

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: A61N-001/05

CITED PATENTS (EP B): WO 93/20887 A; US 3738368 A; US 3955560 A

**CITED REFERENCES (EP B):**

IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, Nr. 9, September 1992 NEW  
YORK USA, Seiten 893-902, XP 000322966 G. T. A. KOVACS, C.W. STORMENT,  
J. M. ROSEN 'Regeneration Microelectrode Array for Peripheral Nerve  
Recording and Stimulation'

PROCEEDINGS OF THE ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE  
ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY, Bd. 15, Nr. 1, 28. -  
31.Oktober 1993 SAN DIEGO,CALIFORNIA USA, Seiten 1247-1248, XP  
000452850 D.J.TYLER, D. DURAND 'Design and acute test of a radially  
penetrating interfascicular nerve electrode';

**NOTE:**

No A-document published by EPO

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

Examination: 020130 A1 Date of dispatch of the first examination  
report: 20011212

Application: 960508 A International application (Art. 158(1))

Grant: 021002 B1 Granted patent

Application: 990714 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 990714 A1 Date of filing of request for examination:  
970109

LANGUAGE (Publication,Procedural,Application): German; German; German

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200240	438
CLAIMS B	(German)	200240	349
CLAIMS B	(French)	200240	522
SPEC B	(German)	200240	2536
Total word count - document A			0
Total word count - document B			3845
Total word count - documents A + B			3845

**...SPECIFICATION B1**

Die Erfindung betrifft eine **flexible** und nicht leitende, kunstliche  
**implantierbare Nervenplatte** (FNP) zum Einlegen und Einfugen zwischen  
die Faszikel eines Nervenbundels.

**Technisches Anwendungsgebiet**

Das technische Anwendungsgebiet...grose Verbesserung gegenüber dem  
Stand der Technik dar.

**Mit der Erfindung geloste Aufgaben**

Mit der **implantierbaren , flexiblen Nervenplatte** ist es möglich,  
entlang mehrerer Faszikel oder Nervenfasern dauerhaft multilokal und

simulatan Nervensignale abzuleiten und...

...CLAIMS B1

1. **Flexible** and non-conducting artificial **implantable neural terminal plate** with a modulus of **elasticity** of 3,000 to 1,000 N/mm<sup>2</sup>) and a thickness of < 50 (mu...

...CLAIMS B1

1. **Flexible** und nicht leitende, kunstliche, **implantierbare Nervenplatte** mit einem E-Modul von 3000 - 1000 N/mm<sup>2</sup>) und einer Dicke < 50 (mu...

10/5,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00411903

**BIDIRECTIONAL HELICAL ELECTRODE FOR NERVE STIMULATION**

**BIDIREKTIONELLE SCHRAUBENFORMIGE ELEKTRODE ZUR STIMULIERUNG DER NERVEN**

**ELECTRODE HELICO DALE BIDIRECTIONNELLE POUR LA STIMULATION NERVEUSE**

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LEGAL REPRESENTATIVE:

Holdcroft, James Gerald, Dr. et al (31911), Graham Watt & Co., Riverhead,  
Sevenoaks, Kent TN13 2BN, (GB)

PATENT (CC, No, Kind, Date): EP 438510 A1 910731 (Basic)  
EP 438510 A1 920826  
EP 438510 B1 960828  
WO 9003824 900419

APPLICATION (CC, No, Date): EP 89912081 891010; WO 89US4519 891010

PRIORITY (CC, No, Date): US 256702 881012

DESIGNATED STATES: BE; CH; DE; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: A61N-001/05;

CITED PATENTS (EP A): FR 2038813 A; US 4026300 A

CITED PATENTS (WO A): US 4573481 A; US 4590946 A; US 4602624 A; US 4750499  
A; FR 2525110 A

CITED REFERENCES (EP A):

See also references of WO9003824;

CITED REFERENCES (WO A):

Journal of Neuroscience Methods, Vol. 5, No. 3, issued March 1982, C.

JULIEN "Electroneurographic recordings with polymer cuff electrodes in  
paralyzed cats" see pages 267-272.;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 910731 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 910731 A1 Date of filing of request for examination:  
910327

Search Report: 920826 A1 Drawing up of a supplementary European search  
report: 920710

Examination: 940706 A1 Date of despatch of first examination report:  
940526

Grant: 960828 B1 Granted patent

Oppn None: 970820 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	675
CLAIMS B	(German)	EPAB96	736
CLAIMS B	(French)	EPAB96	733
SPEC B	(English)	EPAB96	3019
Total word count - document A			0
Total word count - document B			5163

Total word count - documents A + B 5163

...SPECIFICATION movement of adjacent tissue or skeletal structure.

The present invention provides:

An electrode assembly for **implantation** on a **nerve**, comprising:

a **flexible** supporting matrix of dielectric material, the matrix forming a helical portion extending circumferentially at least...

...CLAIMS B1

1. An electrode assembly (10) for **implantation** on a **nerve** (36), comprising:

a **flexible** supporting matrix (11) of dielectric material, the matrix (11) forming a helical portion (13) extending...

...combination of an electrode assembly and insertion tool, where the electrode assembly (10) is for **implantation** on a **nerve**, the assembly (10) comprising:

a **flexible** supporting matrix (11) of dielectric material, the matrix (10) forming a helix (13) with at...

10/5,K/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00921388 \*\*Image available\*\*

**SIEVE ELECTRODE WHICH CAN BE CONNECTED TO A NERVE STUMP**

**ELECTRODE PERFOREE A RELIER A UN MOIGNON NERVEUX**

**SIEBELEKTRODE ZUR ANBINDUNG AN EINEN NERVENSTUMPF**

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200255151 A1 20020718 (WO 0255151)

Application: WO 2002DE48 20020110 (PCT/WO DE0200048)

Priority Application: DE 10101026 20010111; DE 10102183 20010118

Designated States: US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61N-001/05

Publication Language: German

Filing Language: German

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2813

English Abstract

The invention relates to a sieve electrode which can be connected to a nerve stump, comprising a thin flexible substrate (1) provided with a plurality of through openings (2) for nerve fibres, several electrodes (3) disposed in said through openings and at least one counter electrode (4). The substrate (1) has clips (6) protruding from the end thereof

which are used to fix the substrate (1) onto a front face of the nerve stump and also act as supports for the counter electrode (4). The sieve electrode acts as a neurotechnological interface which offers little risk of causing damage when it is brought into contact with the nerve stump and which has a maximum useable surface for the through openings.

#### French Abstract

La presente invention concerne une electrode perforee destinee a etre reliee a un moignon nerveux. Cette electrode se compose d'un substrat (1) flexible de faible epaisseur qui comprend une pluralite d'orifices (2) permettant le passage de fibres nerveuses, plusieurs electrodes (3) disposees dans les orifices et au moins une contre-electrode (4). Le substrat (1) presente a sa peripherie des languettes (6) en saillie qui permettent de le fixer a une face frontale du moignon nerveux et qui servent en meme temps de support pour la contre-electrode (4). Cette electrode perforee constitue une interface neurotechnologique qui permet une mise en contact du moignon nerveux sans grand risque d'endommagement tout en garantissant une utilisation optimale de la surface pour les orifices.

#### German Abstract

Die vorliegende Erfindung betrifft eine Siebelektrode zur Anbindung an einen Nervenstumpf, die sich aus einem dunnen flexiblen Substrat (1) mit einer Vielzahl von Durchgangsöffnungen (2) für Nervenfasern, mehreren an Durchgangsöffnungen vorgesehenen Elektroden (3) sowie zumindest einer Gegenelektrode (4) zusammensetzt. Das Substrat (1) weist am Rand hervorstehende Laschen (6) zur Fixierung des Substrates (1) an einer Stirnfläche des Nervenstumpfes auf, die gleichzeitig als Träger für die Gegenelektrode (4) dienen. Mit dieser Siebelektrode wird eine neurotechnologische Schnittstelle bereitgestellt, die eine schadigungsarme Kontaktierung des Nervenstumpfes bei einer maximal auszunutzenden Fläche für Durchgangsöffnungen aufweist.

#### Legal Status (Type, Date, Text)

Publication 20020718 A1 With international search report.

Publication 20020718 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20020906 Request for preliminary examination prior to end of 19th month from priority date

#### Fulltext Availability:

Detailed Description

#### Detailed Description

... werden.

#### BEZUGSZEICHENLISTE

flexibles Substrat

2 Durchgangsöffnungen, Sieblocher

Ableit- bzw. Ansteuerelektroden

Gegenelektroden

Leiterbahnen

flexible Laschen

7 flexible Zuführung

Durchgangsöffnungen an den Laschen

Ankopplungsschnittstelle am Nervenstumpf

Nerv

Nervenstumpf

12 Implantat mit telemetrischer Signal- und

Energieübertragung

kunstliche Gliedmasse

Verbindungsleitung

10/5,K/4 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00908137      \*\*Image available\*\*

**INFLATABLE NEURAL PROSTHESIS**

**PROTHESE NEURONALE GONFLABLE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200241814 A2 20020530 (WO 0241814)

Application: WO 2001US43241 20011120 (PCT/WO US0143241)

Priority Application: US 2000717738 20001121

Designated States: CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61F-009/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2714

English Abstract

Neural prosthesis for implantation within an eye. The prosthesis includes a foldable substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon inflation, the foldable substrate will unfold to provide for close contact of the electronic component with neural tissue, thus facilitating surgical implantation through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

French Abstract

L'invention concerne une prothese neuronale en vue de l'implantation dans un oeil. Cette prothese concerne un substrat repliable et au moins un composant electronique supporte par ce substrat. Au moins un microcanal est place dans le substrat. Lors du gonflage, le substrat repliable va se deployer pour assurer un contact etroit du composant electronique avec le tissu neuronal, ce qui facilite l'implantation chirurgicale par une incision etroite, tout en permettant au dispositif deploye de recouvrir une partie suffisamment large de la retine du patient pour assurer une vision utile.

Legal Status (Type, Date, Text)

Publication 20020530 A2 Without international search report and to be  
republished upon receipt of that report.

Fulltext Availability:

Claims

Claim

... of claim 5 wherein the central region comprises silicon and the  
projecting structures comprise a **flexible** insulating polymer.

8 The **neural prosthesis** of claim 3 wherein the electrode array  
includes activated iridium electrodes.

9 The neural prosthesis...

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00908083      \*\*Image available\*\*

**INFLATABLE NEURAL PROSTHESIS**

**PROTHESE NEURALE GONFLABLE**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200241754 A2 20020530 (WO 0241754)

Application: WO 2001US43343 20011119 (PCT/WO US0143343)

Priority Application: US 2000717738 20001121

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(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61B

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2723

English Abstract

Neural prosthesis for implantation within an eye. The prosthesis includes a foldable substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon inflation, the foldable substrate will unfold to provide for close contact of the electronic component with neural tissue, thus facilitating surgical implantation through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

French Abstract

L'invention concerne une prothese neurale destinee a etre implantee dans un oeil. Cette prothese comprend un substrat pliable et au moins un composant electronique supporte par le substrat. Au moins un microcanal est dispose a l'interieur du substrat. Au moment du gonflage, le substrat pliable se deploye de facon a procurer un contact etroit entre le composant electronique et le tissu neural, facilitant ainsi l'implantation chirurgicale par une mince incision tout en permettant au dispositif deploye de couvrir une partie suffisamment etendue de la retine du patient pour procurer une vision utile.

Legal Status (Type, Date, Text)

Publication 20020530 A2 Without international search report and to be  
republished upon receipt of that report.

Withdrawal 20020906 Withdrawal of international application after  
international publication

Fulltext Availability:

Claims

Claim

... of claim 5 wherein the central region comprises silicon and the  
projecting structures comprise a **flexible** insulating polymer.

8 The **neural prosthesis** of claim 3 wherein the electrode array  
includes activated iridium electrodes.

9 The neural prosthesis...

10/5,K/6 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00906445 \*\*Image available\*\*

**ELECTROPROCESSED COLLAGEN**

**COLLAGENE SOUMIS A TRAITEMENT ELECTRIQUE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200240242 A1 20020523 (WO 0240242)

Application: WO 2001US43748 20011116 (PCT/WO US0143748)

Priority Application: US 2000714255 20001117; US 2001270118 20010221; US  
2001946158 20010904; WO 2001US27409 20010904; US 2001982515. 20011018; .  
WO 2001US32301 20011018

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B29C-041/00

International Patent Class: C07K-014/78; A61L-015/32

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 41079

**English Abstract**

The invention is directed to formation and use of electroprocessed collagen, including use as an extracellular matrix and, together with cells, its use in forming engineered tissue. The engineered tissue can include the synthetic manufacture of specific manufacture of specific organs or tissues which may be implanted into a recipient. The electroprocessed collagen may also be combined with other molecules in order to deliver substances to the site of application or implantation of the electroprocessed collagen. The collagen or collagen/cell suspension is electrodeposited onto a substrate to form tissues and organs.

**French Abstract**

Cette invention concerne la formation et l'utilisation de collagene soumis a un traitement electrique, avec emploi d'une matrice extra-cellulaire, et son utilisation avec des cellules pour la formation

de tissu manipule. Ce tissu manipule etre obtenu synthetiquement pour la fabrication de tissus et d'organes destines a etre implantes chez un receveur. Le collagene traite electriquement peut egalement etre combine a d'autres molecules en vue de l'acheminement de substances sur son site d'application. Le collagene ou la suspension collagene/cellules est utilise pour la formation de tissus et d'organes par electrodeposition sur un substrat.

Legal Status (Type, Date, Text)

Publication 20020523 A1 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... cardiovascular valve, a I O tendon, a cornea, a ligament a dental prosthesis, a muscle **implant** , or a **nerve** guide.

Electroprocessing allows great **flexibility** and allows for customizing the construct to virtually any shape needed. Many matrices are sufficiently...

10/5,K/7 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00902330 \*\*Image available\*\*

**SUPPORTED LATTICE FOR CELL CULTIVATION**

**TREILLIS A SUPPORT POUR CULTURE CELLULAIRE**

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Patent Applicant/Inventor:

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KAUFMANN Carol A, 200 Baldwin Street, Philadelphia, PA 19127, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200235990 A2-A3 20020510 (WO 0235990)

Application: WO 2001US48729 20011030 (PCT/WO US0148729)

Priority Application: US 2000244491 20001031

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61F-002/00

International Patent Class: C12N-011/02; C12N-011/08; C12N-005/00;

C12N-005/06; C12N-005/08

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5819

English Abstract

A supported lattice is disclosed having a support substrate formed of a plurality of resilient filamentary members braided together to yield a coarse mesh having relatively large interstices and a cell cultivation lattice formed of a plurality of flexible filamentary members braided



together and with the resilient filamentary members to form a fine mesh having small interstices. The cell cultivation lattice provides a bed adapted for growing cells in a two-dimensional array across the large interstices of the support substrate to form a continuous surface of living tissue useful to form a graft.

#### French Abstract

L'invention concerne un treillis a support comportant un substrat de support forme par une pluralite de membres filamentaires elastiques tresses de facon a former une maille grossiere presentant des interstices relativement grands, ainsi qu'un treillis de culture cellulaire forme par une pluralite de membres filamentaires flexibles tresses entre eux et avec les membres filamentaires elastiques pour former une maille fine presentant de petits interstices. Le treillis de culture cellulaire fournit un lit concu pour la culture de cellules dans une matrice bidimensionnelle, a travers les grands interstices du substrat de support, de sorte a former une surface continue de tissu vivant, utile pour realiser une greffe.

#### Legal Status (Type, Date, Text)

Publication 20020510 A2 Without international search report and to be republished upon receipt of that report.  
Search Rpt 20020815 Late publication of international search report  
Republication 20020815 A3 With international search report.  
Examination 20021010 Request for preliminary examination prior to end of 19th month from priority date

#### Fulltext Availability:

Claims

#### Claim

... being interlaced to form a relatively fine mesh defined by relatively small interstices between said **flexible** filamentary members and adapted for cultivating said **nerve** ganglia;  
**implanting** said tubular support substrate within said living tissue between ends of said severed nerve ganglia...

10/5,K/8 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00898698 \*\*Image available\*\*

#### ELECTROPROCESSING IN DRUG DELIVERY AND CELL ENCAPSULATION

MISE EN OEUVRE D'UN TRAITEMENT ELECTRIQUE POUR L'ADMINISTRATION DE MEDICAMENTS ET L'ENCAPSULATION DE CELLULES

#### Patent Applicant/Assignee:

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#### Patent Applicant/Inventor:

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#### Legal Representative:

PRATT John S (et al) (agent), Kilpatrick Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, GA 30309-4530, US,

#### Patent and Priority Information (Country, Number, Date):

Patent: WO 200232397 A2 20020425 (WO 0232397)

Application: WO 2001US32301 20011018 (PCT/WO US0132301)

Priority Application: US 2000241008 20001018; US 2000714255 20001117; US 2001270118 20010222; US 2001946158 20010904; WO 2001US27409 20010904

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B29C-041/00

International Patent Class: C07K-014/75; A61L-015/32; C12N-005/00;

C12Q-001/02; A61K-047/42; C12N-005/06

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 26794

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20020425 A2 Without international search report and to be  
republished upon receipt of that report.

Declaration 20020926 Late publication under Article 17.2a

Republication 20020926 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

Declaration 20020926 Late publication under Article 17.2a

Correction 20021024 Corrected version of Pamphlet: pages 1/6-6/6,  
drawings, replaced by new pages 1/8-8/8; due to late  
transmittal by the receiving Office

Republication 20021024 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

Fulltext Availability:

Detailed Description

Detailed Description

... of a stent, a cardiovascular valve, a tendon, a ligament a dental  
prosthesis, a muscle **implant**, or a **nerve** guide. Electroprocessing  
allows great **flexibility** and allows for customizing the construct to  
virtually any shape needed. Many matrices are sufficiently...

10/5,K/9 (Item 9 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00545635 \*\*Image available\*\*

**SYSTEM AND METHODS FOR CONTROLLING DEVICES BY BRAIN SIGNALS**

**SYSTEMES ET PROCEDES DE COMMANDE DE DISPOSITIFS PAR DES SIGNAUX PROVENANT  
DU CERVEAU**

Patent Applicant/Assignee:

EMORY UNIVERSITY,

Inventor(s):

HUMPHREY Donald R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200009008 A1 20000224 (WO 0009008)

Application: WO 99US18172 19990811 (PCT/WO US9918172)

Priority Application: US 98135249 19980817

Designated States: AU CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

Main International Patent Class: A61B-005/04

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12524

English Abstract

A system and method control prostheses (200), other devices with signals received by sensors, implanted directly in the brain or other parts of the nervous system of a subject, and transmitted to an external receiver. Included in the system are sensors (5) in the form of bundles of small, insulated, flexible wires (10), configured in a parallel or twisted array, which are used to receive multicellular signals from small clusters of neurons. A new "calibration/adaptation" system is developed, in which the neural signals are cross-correlated with the parameters of a set of standardized or model movements as the subject/patient attempts to emulate the model movements, and on the basis of the correlations the neural signals that are best suited for control of the corresponding movement or movement parameter of the external devices are selected.

French Abstract

L'invention porte sur des systemes et procedes de commande de protheses (200) ou autres dispositifs par des signaux recus par des detecteurs directement implantes dans le cerveau ou dans d'autres parties du systeme nerveux d'un patient et transmis a un recepteur exterieur. Les detecteurs (5) du systeme sont des faisceaux de petits fils (10) isolés et souples, disposés en reseaux paralleles ou torsades, et pouvant capter les signaux multicellulaires de petits amas de neurones. On a mis au point un nouveau systeme d'etalonnage/adaptation etablissant une correlation croisee entre les signaux des neurones et les parametres d'un jeu de mouvements normalises ou modeles alors que le sujet/patient tente de provoquer les mouvements modeles, ainsi qu'une selection, sur la base desdites correlations, des signaux neuronaux les mieux adaptes pour commander les mouvements correspondants ou les parametres de mouvement des dispositifs exterieurs.

Fulltext Availability:

Claims

Claim

... signals to an external receiver, comprising:

- A) a plurality of electrodes formed in bundles of **flexible** wires with tips at staggered length aligned to be **implanted** in the **nervous** system for collecting multicellular signals; and
- B) a signal processing mechanism connected to the electrodes...

10/5,K/10 (Item 10 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2002 WIPO/Univentio. All rts. reserv.

00319790 \*\*Image available\*\*

**FLEXIBLE ARTIFICIAL NERVE PLATE**

**PLAQUETTE ARTIFICIELLE SOUPLE DE REMPLACEMENT DE NERFS**

Patent Applicant/Assignee:

FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E V,  
MEYER Jorg-Uwe,  
STIEGLITZ Thomas,

Inventor(s):

MEYER Jorg-Uwe,  
STIEGLITZ Thomas,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9602298 A1 19960201

Application: WO 95EP2754 19950713 (PCT/WO EP9502754)

Priority Application: DE 4424697 19940713

Designated States: JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: A61N-001/05

Publication Language: German

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3415

#### English Abstract

A **flexible**, artificial, non-conducting and **implantable nerve plate** has an **elasticity** module from about 3000 to 1000 N/mm<sup>2</sup> and less than 50 'mu'm thickness. The plate may be inserted and adjusted between the fascicula of a nerve bundle. Several electrodes are arranged on both sides of the nerve plate and are connected by wires inside the nerve plate to a cable integrated into the nerve plate. The cable may be connected to a driving and signal receiving unit.

#### French Abstract

Une plaque souple artificielle non conductrice et implantable de remplacement de nerfs presente un module d'elasticite compris entre 3000 et 1000 N/mm<sup>2</sup> environ et moins de 50 'mu'm d'epaisseur. Cette plaquette est inseree et ajustee entre les fascicules d'un faisceau de nerfs et porte sur ses deux faces plusieurs electrodes connectees par des lignes conductrices a l'interieur de la plaquette, a un cable integre dans la plaquette et connectable a une unite de pilotage et de reception de signaux.

#### Fulltext Availability:

Detailed Description  
Claims

#### English Abstract

A **flexible**, artificial, non-conducting and **implantable nerve plate** has an **elasticity** module from about 3000 to 1000 N/mm<sup>2</sup> and less than 50 'mu'm thickness...

#### Detailed Description

##### BESCHREIBUNG

##### Flexible kUnstliche Nervenplatte

Die Erfindung betrifft eine **flexible** und nicht leitende, kUnstliche **implantierbare Nervenplatte** (FNP) zum Einlegen und Einfugen zwischen die Faszikel eines NervenbUndels.

##### Technisches Anwendungsgebiet

Das technische Anwendungsgebiet...grosse Verbesserung gegenUber dem Stand der Technik dar.

##### Mit der Erfindung gelOste Aufgaben

Mit der **implantierbaren**, **flexiblen Nervenplatte** ist es mOglich, entlang mehrerer Faszikei oder Nervenfasern dauerhaft multilokal und simulatan Nervensignale abzuleiten und...

#### Claim

**Flexible** und nicht leitende, kUnstliche, **implantierbare Nervenplatte** mit einem E-Modul von etwa 3000 - 1 000 N/mm<sup>2</sup> und einer Dicke < 50...

Set	Items	Description
S1	84722	NEURO? OR NEURA? OR NERVOUS OR NERV?
S2	73027	PROSTHESIS OR PROSTHESES OR IMPLANT?
S3	344740	FLEXIBL? OR FLEXIBILIT? OR ELASTIC? OR NONRIGID? OR NON()R- IGID?
S4	84706	S1 NOT NEUROPROSTHES?
S5	16	NEUROPROSTHES?
S6	664	S1(2N)S2 OR S5
S7	34	S6(S)S3
S8	11	S6(10N)S3
S9	11	IDPAT (sorted in duplicate/non-duplicate order)
<del>S10</del>	<del>10</del>	<del>IDPAT (primary/non-duplicate records only)</del>

?show files

File 348:EUROPEAN PATENTS 1978-2002/Nov W02  
(c) 2002 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20021114,UT=20021107  
(c) 2002 WIPO/Univentio

12/5,K/1 (Item 1 from file: 348)  
 DIALOG(R) File 348:EUROPEAN PATENTS  
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00480858

**Permanent middle ear vent tube.**

**Dauereinsatzteil zur Beluftung des Mittelohrraumes.**

**Insert permanent pour ventiler l'oreille moyenne.**

**PATENT ASSIGNEE:**

SMITH & NEPHEW RICHARDS INC., (1190360), 1450 Brooks Road, Memphis,  
 Tennessee 38116, (US), (applicant designated states:  
 AT;BE;CH;DE;DK;ES;FR;GB;IT;LI;NL;SE)

**INVENTOR:**

Jahn, Anthony F., 20 North Brae Court, Tenafly, New Jersey 07670, (US)

**LEGAL REPRESENTATIVE:**

Gilholm, Stephen Philip (62752), Corporate Patents Department Smith &  
 Nephew Group Research Centre York Science Park, Heslington York YO1 5DF  
 , (GB)

PATENT (CC, No, Kind, Date): EP 445946 A1 910911 (Basic)  
 EP 445946 B1 940525

APPLICATION (CC, No, Date): EP 91301488 910225;

PRIORITY (CC, No, Date): US 485642 900227

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: A61F-011/00;

CITED PATENTS (EP A): US 4468218 A; US 4468218 A; EP 309431 A; US 4744792 A  
 ; US 4764168 A

**ABSTRACT EP 445946 A1**

A permanent middle ear vent tube (20) and method for permanent  
 ventilation of the middle ear include implanting a tube with a tubular  
 base portion (22) having at one end an eccentric flange (26) and formed  
 of a non-compressible material. The tube is implanted in a notch drilled  
 into the bony canal wall and rotating the tube into place. (see image in  
 original document)

**ABSTRACT WORD COUNT: 66**

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

Application: 910911 A1 Published application (Alwith Search Report  
 ;A2without Search Report)

Examination: 910911 A1 Date of filing of request for examination:  
 910308

Examination: 930414 A1 Date of despatch of first examination report:  
 930302

Grant: 940525 B1 Granted patent

Oppn None: 950517 B1 No opposition filed

**LANGUAGE (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	268
CLAIMS B	(German)	EPBBF1	258
CLAIMS B	(French)	EPBBF1	288
SPEC B	(English)	EPBBF1	1813
Total word count - document A			0
Total word count - document B			2627
Total word count - documents A + B			2627

...SPECIFICATION alternatively through the mastoid air cells, with the  
 concomitant risk of damage to the facial **nerve**. The **implant** described  
 in United States Patent 3982545 is also formed of a compressible material  
 such as...

12/5,K/2 (Item 2 from file: 348)  
 DIALOG(R) File 348:EUROPEAN PATENTS  
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00327869

**IMPLANTABLE DEVICES HAVING HYDROPHOBIC COMPONENT.**

**IMPLANTIERBARE GEGENSTÄNDE MIT EINEM HYDROPHOBEN BESTANDTEIL.  
DISPOSITIFS IMPLANTABLES AYANT UN COMPOSANT HYDROPHOBE.**

**PATENT ASSIGNEE:**

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(applicant designated states: DE;FR;GB;IT)

**INVENTOR:**

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**LEGAL REPRESENTATIVE:**

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PATENT (CC, No, Kind, Date): EP 326583 A1 890809 (Basic)

EP 326583 B1 911023

WO 8804557 880630

APPLICATION (CC, No, Date): EP 88900432 871207; WO 87US3245 871207

PRIORITY (CC, No, Date): US 943511 861217

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: A61L-027/00;

CITED PATENTS (WO A): EP 226061 A; EP 160483 A; US 4534349 A; EP 144534 A;  
EP 139576 A; US 3833002 A

CITED REFERENCES (EP A):

See also references of WO8804557;

**NOTE:**

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890809 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 890809 A1 Date of filing of request for examination:  
890530

Examination: 901017 A1 Date of despatch of first examination report:  
900829

Change: 910116 A1 Representative (change)

\*Assignee: 910116 A1 Applicant (transfer of rights) (change):  
ALLIED-SIGNAL INC. (a Delaware corporation)  
(943560) Columbia Road and Park Avenue P.O. Box  
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(applicant designated states: DE;FR;GB;IT)

\*Assignee: 910116 A1 Previous applicant in case of transfer of  
rights (change): ALLIED CORPORATION (899381)  
Law Department (F.M. Leather) P.O. Box 2245-R  
Morristown, NJ 07960 (US) (applicant designated  
states: DE;FR;GB;IT)

Grant: 911023 B1 Granted patent

Oppn None: 921014 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	259
CLAIMS B	(German)	EPBBF1	230
CLAIMS B	(French)	EPBBF1	296
SPEC B	(English)	EPBBF1	3865
Total word count - document A			0
Total word count - document B			4650
Total word count - documents A + B			4650

...SPECIFICATION and swelling. This is particularly notable in tubular  
conduits where the lumen of the tubes **collapse**. Of particular interest  
are neuronotrophic factors for use in layered **implantable nerve**  
conduits. Of these growth factors may be mentioned such substances as  
collagen, fibrinogen, fibronectin, and...

00908137      \*\*Image available\*\*

**INFLATABLE NEURAL PROSTHESIS**

**PROTHESE NEURONALE GONFLABLE**

Patent Applicant/Assignee:

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Cambridge, MA 02139, US, US (Residence), US (Nationality)

Inventor(s):

WYATT John L, 258 Goodman's Hill Road, Sudbury, MA 01776, US,

SHIRE Douglas B, 128 Rachel Carson Way, Ithaca, NY 14850, US,

RIZZO Joseph, 116 Commonwealth Avenue, Boston, MA 02116, US,

Legal Representative:

PASTERNAK Sam (agent), Choate, Hall & Stewart, Exchange Place, 53 State  
Street, Boston, MA 02109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200241814 A2 20020530 (WO 0241814)

Application: WO 2001US43241 20011120 (PCT/WO US0143241)

Priority Application: US 2000717738 20001121

Designated States: CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61F-009/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2714

English Abstract

**Neural prosthesis** for **implantation** within an eye. The prosthesis includes a **foldable** substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon inflation, the foldable substrate will unfold to provide for close contact of the electronic component with neural tissue, thus facilitating surgical implantation through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

French Abstract

L'invention concerne une prothese neuronale en vue de l'implantation dans un oeil. Cette prothese concerne un substrat repliable et au moins un composant electronique supporte par ce substrat. Au moins un microcanal est place dans le substrat. Lors du gonflage, le substrat repliable va se deployer pour assurer un contact etroit du composant electronique avec le tissu neuronal, ce qui facilite l'implantation chirurgicale par une incision etroite, tout en permettant au dispositif deploye de recouvrir une partie suffisamment large de la retine du patient pour assurer une vision utile.

Legal Status (Type, Date, Text)

Publication 20020530 A2 Without international search report and to be  
republished upon receipt of that report.

Fulltext Availability:

Detailed Description

Claims

English Abstract

**Neural prosthesis** for **implantation** within an eye. The prosthesis includes a **foldable** substrate and at least one electronic component supported by the substrate. At least one microchannel...

Detailed Description

... the leading cause of blindness in the Western street unaided.

Summary of the Invention

The **neural prosthesis** according to the invention includes a **foldable** substrate with a least one electronic component supported by the



substrate. At least one air...

...or fluid can flow into the channel in each of the projecting structures.

Because the **neural prosthesis** of the invention includes a **foldable** substrate, the prosthesis can be inserted, for example, into the eye in a folded state...

Claim

7

. **Neural prosthesis** comprising:

a **foldable** substrate-,

at least one electronic component supported by the substrate; and

at least one inicrochannel...

...neural prosthesis of claim I wherein the electronic component is an electrode array.

4 The **neural prosthesis** of claim 3 wherein the **foldable** substrate in an expanded state provides close apposition between the electrode array and neural tissue...

...of pressurized gas or fluid includes means f6r alterifig the degree of inflation of the **prosthesis** .

12 The **neural prosthesis** of claim I wherein the **foldable** substrate includes structure for attaching a source of pressurized gas or fluid for inflating the...

...of pressurized gas or fluid includes means for altering the degree of inflation of the **prosthesis** .

15 The **neural prosthesis** of claim 1 wherein the substrate includes multiple 1 5 **foldable** sections.

9

12/5,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00908083 \*\*Image available\*\*

**INFLATABLE NEURAL PROSTHESIS**

**PROTHESE NEURALE GONFLABLE**

Patent Applicant/Assignee:

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue,  
Cambridge, MA 02139, US, US (Residence), US (Nationality)

Inventor(s):

WYATT John L, 258 Goodman's Hill Road, Sudbury, MA 01776, US,

SHIRE Douglas B, 128 Rachel Carson Way, Ithaca, NY 14850, US,

RIZZO Joseph, 116 Commonwealth Avenue, Boston, MA 02116, US,

Legal Representative:

PASTERNAK Sam (agent), Choate, Hall & Stewart, Exchange Place, 53 State  
Street, Boston, MA 02109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200241754 A2 20020530 (WO 0241754)

Application: WO 2001US43343 20011119 (PCT/WO US0143343)

Priority Application: US 2000717738 20001121

Designated States: CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61B

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2723

English Abstract

**Neural prosthesis** for **implantation** within an eye. The prosthesis includes a **foldable** substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon inflation, the foldable substrate will unfold to provide for close contact of the electronic component with neural tissue, thus facilitating surgical implantation through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

#### French Abstract

L'invention concerne une prothese neurale destinee a etre implantee dans un oeil. Cette prothese comprend un substrat pliable et au moins un composant electronique supporte par le substrat. Au moins un microcanal est dispose a l'interieur du substrat. Au moment du gonflage, le substrat pliable se deplie de facon a procurer un contact etroit entre le composant electronique et le tissu neural, facilitant ainsi l'implantation chirurgicale par une mince incision tout en permettant au dispositif deplie de couvrir une partie suffisamment etendue de la retine du patient pour procurer une vision utile.

#### Legal Status (Type, Date, Text)

Publication 20020530 A2 Without international search report and to be republished upon receipt of that report.  
Withdrawal 20020906 Withdrawal of international application after international publication

#### Fulltext Availability:

Detailed Description  
Claims

#### English Abstract

**Neural prosthesis** for **implantation** within an eye. The prosthesis includes a **foldable** substrate and at least one electronic component supported by the substrate. At least one microchannel...

#### Detailed Description

... blindness in the Western WO 02/41754 PCT/USOI/43343

SumrnM of the Invention'

The **neural prosthesis** according to the invention includes a **foldable** substrate with a least one electronic component supported by the substrate. At least one air...

...or fluid can flow into the channel in each of the projecting structures.

Because the **neural prosthesis** of the invention includes a **foldable** substrate, the prosthesis can be inserted, for example, into the eye in a folded state...

#### Claim

7

. **Neural prosthesis** comprising:  
a **foldable** substrate;  
at least one electronic component supported by the substrate; and  
at least one microchannel...

...neural prosthesis of claim 1 wherein the electronic component is an electrode array.

4 The **neural prosthesis** of claim 3 wherein the **foldable** substrate in an expanded state provides close apposition between the electrode array and neural tissue...

...of pressurized gas or fluid includes means for altering the degree of inflation of the **prosthesis** .

12 The **neural prosthesis** of claim I wherein the **foldable** substrate includes structure for attaching a source of pressurized gas or fluid for inflating the...

...of pressurized gas or fluid includes means for altering the degree of inflation of the **prosthesis** .

15 The **neural prosthesis** of claim I wherein the substrate includes multiple 1 5 **foldable** sections.

9

12/5,K/5 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00901878

**METHODS FOR TREATING ENDOCRINE DISORDERS**  
**METHODES DE TRAITEMENT DE TROUBLES ENDOCRINIENS**

Patent Applicant/Assignee:

ALLERGAN SALES INC, 2525 Dupont Drive, Irvine, CA 92612, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

DONOVAN Stephen, 27252 Calle Anejo, Capistrano Beach, CA 92624, US, US  
(Residence), CA (Nationality), (Designated only for: US)

Legal Representative:

DONOVAN Stephen (et al) (agent), c/o Allergan Sales, Inc., 2525 Dupont Drive, Irvine, CA 92612, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200234286 A1 20020502 (WO 0234286)

Application: WO 2001US26123 20010821 (PCT/WO US0126123)

Priority Application: US 2000692811 20001020

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61K-038/48

International Patent Class: A61P-005/00; A61P-015/16; A61P-015/18

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14767

English Abstract

Methods for treating endocrine disorders and for inhibiting gametogenesis by intracranial administration to a human patient of a therapeutically effective amount of a neurotoxin, such as a botulinum toxin type A.

French Abstract

L'invention concerne des methodes permettant de traiter des troubles endocriniens et d'inhiber la gametogenese par administration, dans la boite cranienne d'un patient humain, d'une quantite therapeutiquement efficace d'une neurotoxine, telle qu'une toxine botulinique de type A.

Legal Status (Type, Date, Text)

Publication 20020502 A1 With international search report.

Publication 20020502 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Claim Mod 20020829 Later publication of amended claims under Article 19 received: 20020423

Republication 20020829 A1 With international search report.

Republication 20020829 A1 With amended claims.

Fulltext Availability:

Detailed Description

# Detailed Description

... size desired and hence the amount of incorporated neurotoxin, a suitable amount of the dried **neurotoxin** incorporating **implant** is **compressed** at about 8000 p.s.i. for 5 seconds or at 3000 p.s.i....

12/5,K/6 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00869828

## B7-LIKE POLYNUCLEOTIDES, POLYPEPTIDES, AND ANTIBODIES

### POLYNUCLEOTIDES DU TYPE B7, POLYPEPTIDES ET ANTICORPS EN RAPPORT

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Patent and Priority Information (Country, Number, Date):

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Priority Application: US 2000215135 20000630; US 2000225266 20000814

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CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

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Main International Patent Class: C07H-021/04

International Patent Class: C12N-015/10; C12N-015/11; C12N-015/12

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 194342

## English Abstract

The present invention relates to novel human B7-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human B7-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human B7-like polypeptides.

## French Abstract

Cette invention a trait a de nouveaux polypeptides humains du type B7 ainsi qu'a des acides nucleiques isolees contenant les regions codantes des genes codant ces polypeptides. Elle concerne egalement des vecteurs, des cellules hotes et des anticorps ainsi que des techniques de recombinaison permettant de produire ces polypeptides du type B7. Elle porte, en outre, sur des methodes diagnostiques et therapeutiques des plus utiles en matiere de diagnostic et de traitement d'etats pathologiques lies a ces nouveaux polypeptides humains du type B7.

Legal Status (Type, Date, Text)  
Publication 20020110 A1 With international search report.  
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Examination 20020510 Request for preliminary examination prior to end of  
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12/5,K/7 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00864016

**METHOD FOR TREATING A MOVEMENT DISORDER**

**METHODE DE TRAITEMENT D'UNE DYSKINESIE**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2001US17365 20010529 (PCT/WO US0117365)

Priority Application: US 2000596306 20000614

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LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

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Main International Patent Class: A61K-038/48

International Patent Class: A61P-025/14; A61P-025/16; A61P-021/02

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 15396

**English Abstract**

Methods for treating a movement disorder by intracranial administration  
to a human patient of a therapeutically effective amount of a neurotoxin,  
such as a botulinum toxin type A.

**French Abstract**

Methodes de traitement d'une dyskinesie par l'administration  
intracranienne a un patient humain d'une dose therapeutique efficace  
d'une neurotoxine telle qu'une toxine botulinique type A.

Legal Status (Type, Date, Text)

Publication 20011220 A2 Without international search report and to be  
republished upon receipt of that report.

Search Rpt 20020228 Late publication of international search report

Republication 20020228 A3 With international search report.

Examination 20020404 Request for preliminary examination prior to end of

19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... size

desired and hence the amount of incorporated neurotoxin, a suitable amount of the dried neurotoxin incorporating implant is compressed at about 8000 p.s.i. for 5 seconds or at 3000 p.s for...

12/5,K/8 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00206341

AUTOTRANSPLANTATION OF SCHWANN CELLS TO PROMOTE NERVOUS SYSTEM REPAIR  
AUTOTRANSPLANTATION DE CELLULES DE SCHWANN FAVORISANT LA REPARATION DU  
SYSTEME NERVEUX

Patent Applicant/Assignee:

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MORRISSEY Thomas K,

Patent and Priority Information (Country, Number, Date):

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Application: WO 91US5817 19910815 (PCT/WO US9105817)

Priority Application: US 90530 19900815

Designated States: AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI  
FR GA GB GN GR HU IT JP KR LK LU MC MG ML MN MR MW NL NO PL RO SD SE SN  
SU TD TG

Main International Patent Class: C12N-005/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14517

English Abstract

The present invention relates to methods of promoting nervous system repair comprising transplanting autologous Schwann cells into a region of nervous tissue injury. In particular embodiments of the invention, Schwann cells for autologous grafting may be harvested from a patient in need of such treatment and then propagated in culture. The present invention provides for cell culture methods which yield essentially pure populations of Schwann cells in substantial numbers which may preferably be derived from segments of adult peripheral nerve.

French Abstract

L'invention concerne des procedes favorisant la reparation du systeme nerveux et consistant a transplanter des cellules de Schwann autologues dans une region d'une lesion des tissus du systeme nerveux. Dans des modes particuliers de realisation de l'invention, des cellules de Schwann pour une greffe autologue peuvent etre prises chez un patient ayant besoin d'un tel traitement puis elles peuvent se propager en culture. La presente invention fournit des procedes de culture de cellules qui produisent essentiellement des populations pures de cellules de Schwann en quantite substantielle et qui peuvent etre derivees de preference de segments de nerfs peripheriques adultes.

Fulltext Availability:

Detailed Description

Detailed Description

... survival periods. The  
axons within the graft always appeared related to Schwann  
cells, Acellular collagen **rolls** did not show axonal  
ingrowth, These Schwann cell-collagen **implants** resemble  
peripheral **nerve** grafts in their ability to induce axonal  
regeneration into the graft,  
We report here preliminary...

Set	Items	Description
S1	84722	NEURO? OR NEURA? OR NERVOUS OR NERV?
S2	73027	PROSTHESIS OR PROSTHESES OR IMPLANT?
S3	553126	COMPACT? OR FOLD? OR ROLL? OR COMPRESS? OR COLLAPS?
S4	40275	ROLLS
S5	559295	S3 OR S4
S6	16	NEUROPROSTHES?
S7	84722	S1 OR S6
S8	658	S7(2N)S2
S9	33	S8(S)S5
S10	9	S8(10N)S5
S11	9	IDPAT (sorted in duplicate/non-duplicate order)
<del>S12</del>	<del>8</del>	<del>IDPAT (primary/non-duplicate records only)</del>

?show files

File 348:EUROPEAN PATENTS 1978-2002/Nov W02

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File 349:PCT FULLTEXT 1979-2002/UB=20021114,UT=20021107

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